

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A map display control apparatus comprising:
 - a map display control unit that controls a display device so as to display a map on the display device based upon map display data;
 - a communication control unit that connects with another control apparatus via a digital mobile telephone system to engage in exchange of digital data;
 - a map information transmission unit that transmits information related to the map currently displayed on the display device to the other control apparatus via the communication control unit; and unit, the information related to the map being necessary to reproduce at the other control apparatus the map currently displayed on the display device; and
 - a map information reception unit that receives information related to the map updated an updated map based upon the reproduced map by the other control apparatus from the other control apparatus via the communication control unit, wherein:
 - the map display control unit controls the display device so as to update the map displayed on the display device based upon the updated information related to the updated map received at the map information reception unit.

2. (currently amended) A map information update apparatus comprising:

a communication control unit that connects via a digital mobile telephone system with a map display control apparatus, which controls a display device so as to display a map on the display device based upon map display data, to engage in exchange of digital data;

a map information update reception unit that receives information related to the map currently displayed on the display device from the map display control apparatus via the communication control unit; unit, the information related to the map being necessary to reproduce at the map information update apparatus the map currently displayed on the display device of the map display control apparatus;

a map display update data base unit that stores map display data for update related to the map display data utilized by the map display control apparatus;

a map information update unit that ~~updates the information related to the map by using~~ reproduces the map currently displayed on the display device of the map display control apparatus by using the received information related to the map and the map display data for update related to the map display data utilized by the map display control apparatus, and updates the map based upon the reproduced map; and

an updated map information transmission unit that transmits the information related to the map updated by the map information update unit to the map display control apparatus via the communication control unit.

3. (currently amended) A map information update system comprising:

a map display control apparatus; and

a map information update apparatus, wherein

the map display control apparatus comprises:

a map display control unit that controls a display device so as to display a map on the display device based upon map display data;

a first communication control unit that connects with the map information update apparatus via a digital mobile telephone system to engage in exchange of digital data;

a map information transmission unit that transmits information related to the map currently displayed on the display device to the map information update apparatus via the first communication control unit;

a second communication control unit that allows an operator of the map information update apparatus and a user of the map display control apparatus to conduct a voice conversation;

a map information reception unit that receives information related to the
a map updated by the map information update apparatus from the map
information update apparatus via the first communication control unit; and

the map display control unit being enabled to control the display device
so as to update the map displayed on the display device based upon the updated
information related to the map received at the map information reception unit,
and

the map information update apparatus comprises:

a third communication control unit that connects with the map display
control apparatus via the digital mobile telephone system to engage in exchange
of digital data;

a map information update reception unit that receives information
related to the map currently displayed on the display device from the map
display control apparatus via the third communication control unit;

a map display update data base unit that stores map display data for
update related to the map display data utilized by the map display control
apparatus;

a fourth communication control unit that allows an operator of the map
information update apparatus and a user of the map display control apparatus to
conduct a voice conversation;

a map information update unit that updates the information related to
the map based upon the voice conversation between the operator of the map

information update apparatus and the user of the map display control apparatus
by using the map display data for update related to the map display data utilized
by the map display control apparatus; and

an updated map information transmission unit that transmits the
information related to the map updated by the map information update unit to
the map display control apparatus via the third communication control unit.

4. (currently amended) A navigation system comprising:
 - a current position detection unit that detects a current position thereof;
 - a map display control unit that controls a display device so as to display a map on the display device for road guidance based upon the current position detected by the current position detection unit and map display data;
 - a communication control unit that connects with another control apparatus via a digital mobile telephone system to engage in exchange of digital data;
 - a map information transmission unit that transmits information related to the map currently displayed on the display device to the other control apparatus via the communication control unit; and unit, the information related to the map being necessary to reproduce at the other control apparatus the map currently displayed on the display device; and
 - a map information reception unit that receives information related to the map updated an updated map based upon the reproduced map by the other

control apparatus from the other control device via the communication control unit, wherein:

the map display control unit controls the display device so as to update the map displayed on the display device based upon the ~~updated~~ information related to the updated map received at the map information reception unit.

5. (currently amended) ~~A car navigation system comprising:~~
~~a current position detection unit that detects a current position of a vehicle;~~
~~a map display control unit that controls a display device so as to display a map on the display device for road guidance based upon the vehicle current position detected by the current position detection unit, map display data and map display control information;~~
~~a communication control unit that connects with an off vehicle control apparatus via a digital mobile telephone system to engage in exchange of digital data; and~~
~~a map information reception unit that receives the map display control information from the off vehicle control apparatus via the communication control unit.~~ A map information update control method comprising:
displaying a map based upon map display data at a navigation apparatus;
transmitting information related to the map currently displayed at the navigation apparatus, from the navigation apparatus to a center system;

reproducing, at the center system, the map currently displayed at the navigation apparatus based upon the information related to the map transmitted from the navigation apparatus;

updating, by an operator at the center system, the map reproduced at the center system based upon a telephone conversation between a user of the navigation apparatus and the operator at the center system, wherein the user of the navigation apparatus informs the operator of a desire to change the map currently displayed at the navigation apparatus;

transmitting the information related to the map updated at the center system, from the center system to the navigation apparatus; and

updating the map currently displayed at the navigation apparatus based upon the information related to the updated map transmitted from the center system.

6. (currently amended) A map display control method comprising:
 - a map display control step in which a display device is controlled so as to display a map on the display device based upon map display data;
 - a communication control step in which digital data are exchanged with another control apparatus via a digital mobile telephone system;
 - a map information transmission step in which information related to the map currently displayed on the display device is transmitted to the other control apparatus; and apparatus, the information related to the map being necessary to

reproduce at the other control apparatus the map currently displayed on the display device; and

a map information reception step in which information related to the map updated based upon the reproduced map by the other control apparatus is received from the other control apparatus, wherein:

in the map display control step the display device is controlled so as to update the map displayed on the display device based upon the updated information related to the updated map received through the map information reception step.

7. (currently amended) A map information update control method for a map information update apparatus comprising:

a communication control step in which digital data are exchanged via a digital mobile telephone system with a map display control apparatus that controls a display device so as to display a map on the display device based upon map display data;

a map information update reception step in which information related to the map currently displayed on the display device is received from the map display control apparatus; apparatus, the information related to the map being necessary to reproduce at the map information update apparatus the map currently displayed on the display device of the map display control apparatus; and

a map information update step in which ~~information related to the map is updated by using the map currently displayed on the display device of the map display control apparatus is reproduced by using the received information related to the map and~~ map display data for update which are stored in a ~~the~~ map information update device apparatus and related to the map display data utilized by the map display control apparatus; and apparatus, and further in which the map is updated based upon the reproduced map; and

an updated map information transmission step in which the information related to the map updated through the map information update step is transmitted to the map display control apparatus.

8. (currently amended) A computer-readable computer program product containing a map display control program used in a map display control apparatus, the map display control program comprising:

map display control instructions for controlling a display device so as to display a map on the display device based upon map display data;

communication control instructions for exchanging digital data with another control apparatus via a digital mobile telephone system;

map information transmission instructions for transmitting information related to the map currently displayed on the display device to the other control apparatus; and apparatus, the information related to the map being necessary to

reproduce at the other control apparatus the map currently displayed on the display device; and

map information reception instructions for receiving information related to the map updated based upon the reproduced map by the other control apparatus from the other control apparatus, wherein:

in response to the map display control instructions, the display device is controlled so as to update the map displayed on the display device based upon the updated information related to the updated map received in response to the map information reception instructions.

9. (currently amended) A computer-readable computer program product containing a map information update control program used in a map information update apparatus, the map information update control program comprising:

communication control instructions for exchanging digital data with a map display control apparatus, which controls a display device so as to display a map on the display device based upon map display data, via a digital mobile telephone system;

map information update reception instructions for receiving information related to the map currently displayed on the display device from the map display control apparatus; apparatus, the information related to the map being

necessary to reproduce at the map information update apparatus the map currently displayed on the display device of the map display control apparatus;

map information update instructions for updating information related to the map by using reproducing the map currently displayed on the display device of the map display control apparatus by using the received information related to the map and map display data for update which are stored within the map information update device and related to the map display data utilized by the map display control apparatus; and apparatus, and updating the map based upon the reproduced map; and

update map information transmission instructions for transmitting the information related to the map updated in response to the map information update instructions to the map display control apparatus.

10. (original) A computer-readable computer program product according to claim 8, wherein the computer-readable computer program product is a recording medium on which the control program is recorded.

11. (currently amended) A computer-readable computer program product according to claim 8, wherein the computer-readable computer program product is in a carrier wave in which the control program is embodied modulated as a data signal.

12. (original) A computer-readable computer program product according to claim 9, wherein the computer-readable computer program product is a recording medium on which the control program is recorded.

13. (currently amended) A computer-readable computer program product according to claim 9, wherein the computer-readable computer program product is in a carrier wave in which the control program is embodied modulated as a data signal.

14. (new) A map information update system according to claim 3, wherein the information related to the map transmitted from the map display control apparatus to the map information update apparatus is information necessary to reproduce at the map information update apparatus the map currently displayed on the display device of the map display control apparatus.

15. (new) A map information update system according to claim 3, wherein the information related to the map is map display control information enabling control on how a map should be displayed by using the map display data.

16. (new) A map information update system according to claim 3, wherein the information related to the map includes information related to a map scale.

17. (new) A map information update according to claim 3, wherein the information related to the map includes information indicating whether or not traffic jam information is to be displayed.

18. (new) A map display control apparatus according to claim 1, further comprising:

a voice communication control unit that allows an operator of the other control apparatus and a user of the map display control apparatus to conduct a voice conversation.

19. (new) A map information update apparatus according to claim 2, further comprising:

a voice communication control unit that allows an operator of the map information update apparatus and a user of the map display control apparatus to conduct a voice conversation.

Serial No. 10/042,287

Amendment Dated: March 3, 2004

Reply to Office Action of October 3, 2003

Amendments to the Drawings:

The attached sheets of drawings include text in English.

Attachment: Replacement sheets